

Rabbit ATG12 Polyclonal Antibody | anti-ATG12 antibody

ATG12 Rabbit pAb

CATALOG # AAA281582	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Western Blot
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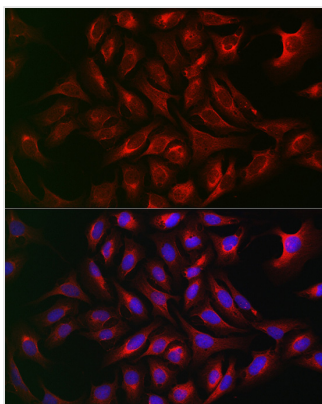
PRODUCT SYNONYMS

ATG12; Polyclonal Antibody; ATG12 Rabbit pAb; APG12; APG12L; FBR93; HAPG12; Apg12; anti-ATG12 antibody

PRODUCT SPECIFICATIONS

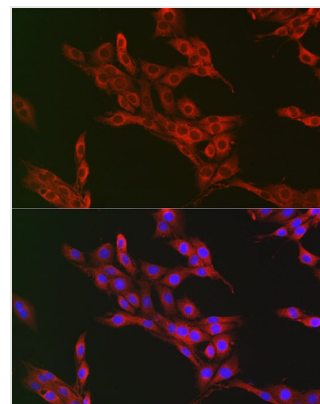
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Sequence	MAEEPQSVLQ LPTSIAAGGE GLTDVSPETT TPEPPSSAAV SPGTEEPAGD TKKKIYLCES VLCSFPRPRS WNSL
Applicable Applications for anti-ATG12 antibody	IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 1-74 of human ATG12 (NP_001264712.1).
Cellular Location	Cytoplasm, Peripheral membrane protein, Preautophagosomal structure membrane
Positive Samples	HCT116, C6, Rat testis
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



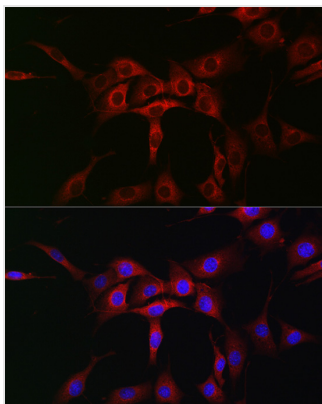
IF (Immunofluorescence)

Immunofluorescence analysis of U2OS cells using ATG12 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



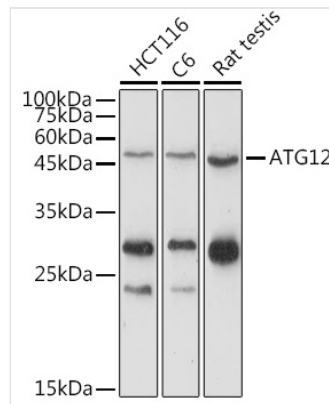
IF (Immunofluorescence)

Immunofluorescence analysis of PC-12 cells using ATG12 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using ATG12 Rabbit pAb at dilution of 1:50 (40x lens). Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ATG12 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-ATG12 antibody	Background: Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998 [PubMed 9852036]).
Product Categories/Family for anti-ATG12 antibody	Cell Biology & Developmental Biology; Autophagy; ATGs

NCBI AND UNIPROT INFORMATION

NCBI GI #	119569340
NCBI GeneID	9140
UniProt Accession #	O94817; Q6PJV2
Molecular Weight	7,746 Da
NCBI Official Full Name	ATG12 autophagy related 12 homolog (S. cerevisiae), isoform CRA_b
NCBI Official Synonym Full Names	autophagy related 12
NCBI Official Symbol	ATG12
NCBI Official Synonym Symbols	APG12; FBR93; APG12L; HAPG12
NCBI Protein Information	ubiquitin-like protein ATG12; Apg12 (autophagy, yeast) homolog; ATG12 autophagy related 12 homolog
UniProt Protein Name	Ubiquitin-like protein ATG12
UniProt Gene Name	ATG12
UniProt Synonym Gene Names	APG12; APG12L; APG12-like
UniProt Entry Name	ATG12_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/atg12-antibody-immunofluorescence-western-blot-elisa/281582>